

Chemical Products and H-2POLAND / Chemical Tochnology. Their Application. Chemical Engineering.

Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 1506.

Hobler, T. Author : Not given.

: New Equations in Connection With Heat Transfer Tnst Process For Speed and Temperature Distribution Title in a Liquid Flowing Inside a Pipo.

Orig Pub: Chem. stosow., 1957, 1, No 1, 21-43.

Abstract: An equation is given for the distribution of the relative speed in a turbulent flow of liquid at $Re < 10^6 \text{ W/W}_0 = (2y/R) / 1 - \sqrt{1 - (y/R)} / n / -1 - (y/R)^2$ where $t = 1 - \sqrt{(32)}$. Ro)7 $(\sqrt[8]{w_0}/\sqrt[8]{w_m})$, n = 2.7 $\sqrt{(y/R)}$ / 0.2 (1 + 1-0.9)7 - $I(y/R) \neq 0.02^{-1}$. An analgous equation is given for temperature distribution for $P_r = 1$. Based on this equation and Kolborn's,

Card 1/2

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APPROVED FOR RELEASE: 08/10/2001 ica CIA-RDR86-00513R000618030010-Their Application. Chemical Engineering.

Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 1506.

Abstract: an equation is given for turbulent, laminar and transit regions,

St.Pr1-B = (), /8) (00/6m) (Wm/Wo) . 11 /

 $\sqrt{32} \text{ W}_{0}/(1 \text{ Re Wm})7^{2}7^{-1}$

In this equation W is the speed on the distance y from a pipe wall, Wo is the speed on the pipe axis, R is the pipe radius, A is the coefficient of friction, Wm is the average speed, & * to - ts, \mathcal{E}_{m} = t_{0} - t_{m} , t_{0} is the temperature on the pipe axis, t_s is the temperature on the pipe wall, t_m is the average temperature along the entire cross section. B equals 0.4 for a turbulent flow, is equal to 0 for a laminar one, and 0.33 for a transient flow. -- H. Kondukov.

Card 2/2

H-2

HOBLER , T.

POLAND/Chemical Technology - Processes and Apparatuses of

Chemical Technology.

Abs Jour

: Ref Zhur - Khimiya, No 17, 57692 1958.

Author

Hobler Tadeusz, Koziol Kazimierz

Inst Title

: The Influence of Local Contraction in Pipes on the

Coefficient of Heat Transfer.

Orig Pub

: Chem stosew., 1957, 1, No 1, 45-64

Abstract

: The process was studied of heat emission from horizontal pipe with local contractions caused by buckling toward the inward moving air. The buckling of the pipe took place through the intervals $d/1 = 0.10 \div 0.0149$, with the bend of the adjacent compression planes under 90° (d is the diameter of the pipe, 1 is the distance between the centers of the adjacent locations of the compression). The lateral measurement of contraction is d/a = 1.205 - 1.62, where a is the minimum internal

Card 1/2

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000618030010-2"

POLAND/Chemical Technology - Chemical Products and Their

Application. Processes and Apparatus of Chemical

Technology.

Abs Jour

: Ref Zhur - Khimiya, No 17, 1958, 57692

measurement at the location of the contraction of the pipe. Heat on the outside of the pipe was conducted by saturated steam for a length of 1300 mm. Air was provided by a ventilator through portions of the stabilization for a length of 1500 mm. Six pipes with diameters of 27.6/21, and 10 pipes with diameters of 33.5/26.4, with different d/1 and d/a, were subjected to the experiment. The coefficient of heat transfer of a increased with an increase of d/l and d/a. The mean value of a is expressed by the equation: Nu = 0.047 Re^{0.8}Pr^{0.4}(d/a)^{0.32}(d/1)^{0.23}. The determining linear measurement is the diameter of the pipe. The equation is used for 9000 < Re < 60,000, 1.2 < d/a <5.6, 01015 < d/1 < 0.22. Deviations are = 18% from the actual values of a.

Card 2/2

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APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000618030010-2

POLAND / Chemical Technology. Chemical Products. Processes and Apparatuses of Chemical Technology.

Abs Jour: Ref Zhur-Khimiya, 1958, No 20, 67693.

Author : Hobler T., Krupiczka R.

: Not given. Inst

: Hydrodynamics of Grid Trays. Title

The second secon

Orig Pub: Chem. stosow., 1957, 1, No 2, 105-122.

Abstract: Hydrodynamics of the grid type trays was investigated using an air-water system in the range of air velocities, $w_g = 3-10$ m/sec, water velocities of $w_c = 0.0009-0.04$ m/sec (w_g and w_c are related to the tray free area), water temperature of $7-15^{\circ}$, air temperature of 15-280, and the slot area s =

Card 1/2

Their Applications. General. Products and H

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 12032.

Abstract: A total of seven types of sprinklers most often used were tested; 3 clusters of 6 steel pipes each, length of i.4 m, were used for the irrigating; pipe, as well as piping with plates pipe.

It was established that the magnitude of the minimum density of irrigation G min for a single pipe does not depend on the type of sprinkler and the distance between the irrigating pipes but depends on the diameter of the irrigating pipes but depends ing equation is cited: Gmin equals 3040.3754 minus

Card 2/3

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APPROVED: FOR RELEASED OB/10/2001 ical CPA-RDP86-00513R000618030010-Their Applications. General.

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 12032.

Abstract: 0.5t plus 5, kg/m hours, in which d is the external diameter of the irrigating pipe in mm; t is the average temperature of the irrigation water, in °C. The average size G_{\min} of the pipes investigated comprised about $135~\mathrm{Kg/m}$ hours. The quantity of liquid sprayed through the pipes increased in proportion to the increase of G_{\min} and the distance between the pipes in the cluster. For pipes with a diameter of 57 mm with a G_{\min} attaining 500 kg/m hours, the quantity of sprayed water comprised 48-63% of the total outlay of water for irrigation. -- T. Kolach.

Card 3/3

POIAND / Chemical Technology, Chemical Products and Their Application: Chemical Engineering.

H-2

Abs Jour

: Rof Zhur - Khimiya, No 5, 1959, No. 15631

Author

: Hoblar, T.; Barccki, A.

Inst

Not givon

Titlo

: Effect of Porforated Baffles on the Heat Transfor

Coefficient

Orig Pub

: Chem. stosow., 1958, 2, No 1, 29-49

Abstract

: Effect of perforated baffles on the heat transfor coefficient of a heat exchanger (T) (shell side) was investigated for the turbulent flow of air passing parallel to tubes (perforations in the baffles being concentric to tubes). The following equation was derived:

tubes). The following equation was derived: Nu = 0.126 Ro^{0.75}Pr^{0.4} $(d_0/L)^{0.282}(d_0/d_0)^{0.154}$.

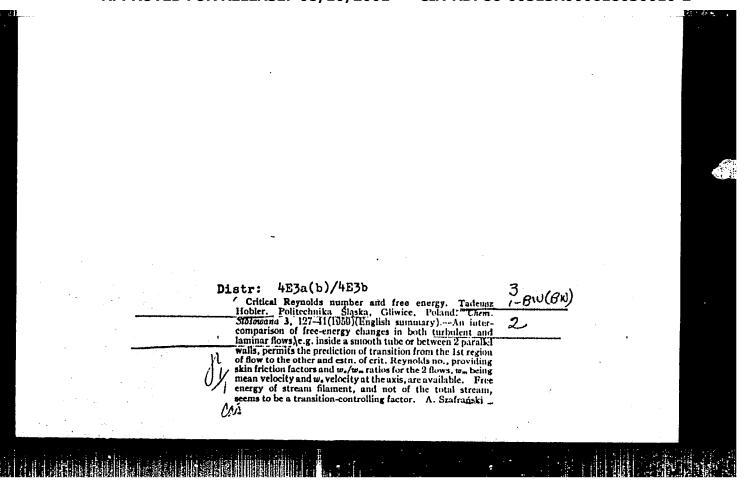
This oquation was found valid at 3500 (Ro < 21,000, do/L =

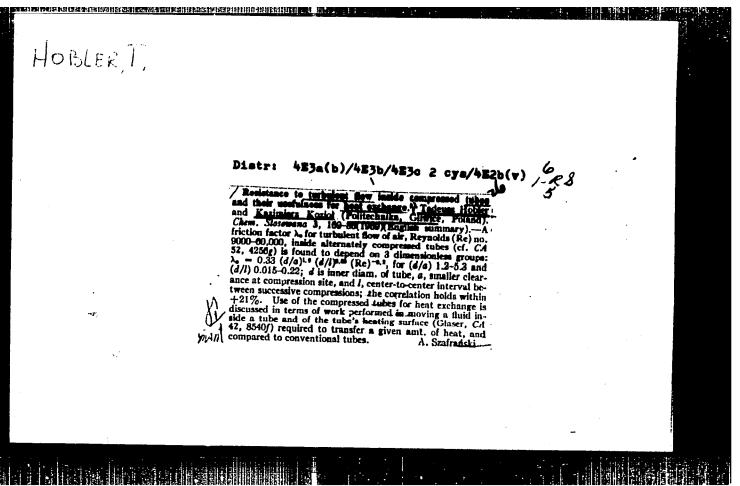
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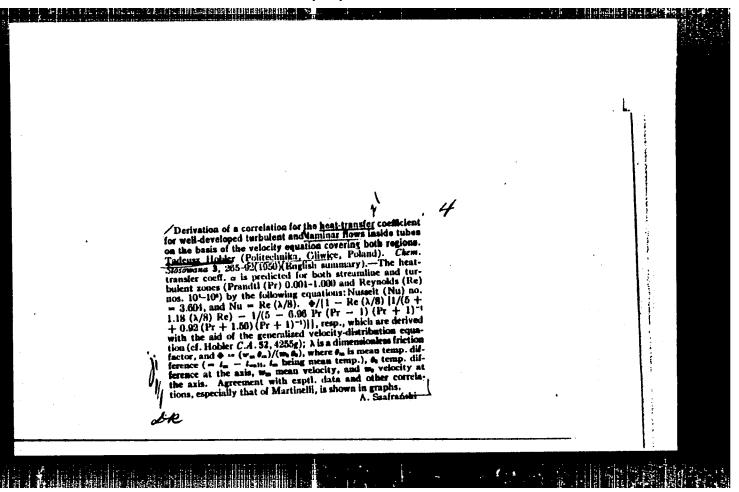
FOLAND / Chemical Tochnology, Chemical Froducts and Their APPROVED FOR RELEASE 08/42/42001g. CIA-RDP86-00513R000618030010-

Abs Jour : Ref Zhur - Khimiya, No 5, 1959, No. 15631

= 0.0586 \div 0.2502, and d_0/d_0 = 6.5 \div 15.3, $(d_0 \text{ and } d_0)$ being the hydraulic diameters of the intertube space and of the perferated baffle, L being the distance between the baffles). -- R. Torekhin







HOBLER, Tadeusz; BURGHARDT, Andrzej

. 🗲

Analysis of the generalized diffusion equation for a two-component gas mixture. Chemia stosow 3 no.1:3-14 159.

1. Katedra Inzynierii i Konstrukcji Aparatury Chemicznej, Politechnika Slaska, Gliwice.

HOBLER, Tadeusz

The critical Reynolds number and free energy. Chemia stosow 3 no.2: 127-140 '59.

1. Zaklad Inzynierii Chemicznej i Konstrukcji Aparatury, Polska Akademia Nauk, Gliwice.

HOBLER, Tadeusz; STREK, Fryderyk

RUNTER CONTROL OF STATE OF STA

Mixing effectiveness of liquids. Chemia stosow 3 no.2:143-168 '59.

1. Katedra Inzynierii i Konstrukcji Aparatury Chemicznej, Politechnika Slaska, Gliwice.

HOBLER, Tadeusz; KOZIOL, Kazimierz

Studies on the resistance of turbulent flow in squeezed tubes and their usefulness for heat exchange. Chemia stosow 3 no.2:169-186 159.

1. Zaklad Inzynierii Chemicznej i Konstrukcji Aparatury, Polska Akademia Nauk, Gliwice i Katedra Inzynierii i Konstrukcji Aparatury Chemicznej, Politechnika Slaska, Gliwice.

HOBLER, Tadeusz

Derivation of the heat-transfer coefficient a for the developed turbulent and laminar flow in tube based on the velocity equation common for both cases. Chemia stojow 3 no.3:265-292 159.

1. Zaklad Inzymierii ^Chemicznej i Konstrukcji Aparatury, Polska Akademia Nauk, Gliwice.

HOBLER, Tadeusz; KRUPICZKA, Roman

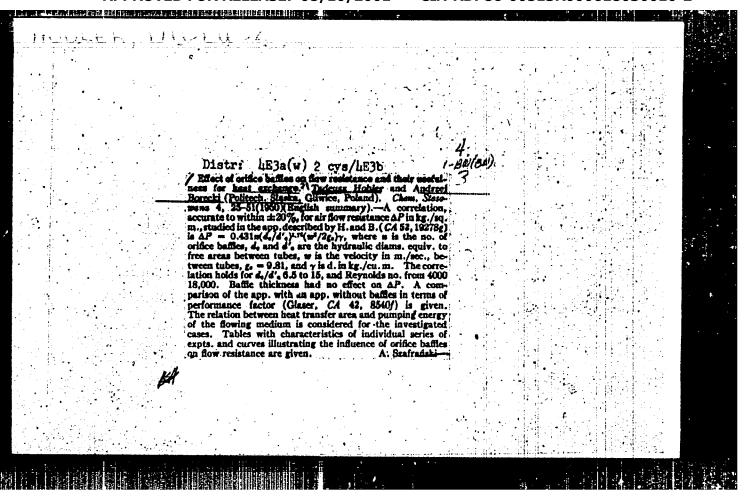
Hydraulics of the turbogrid tray. Chemia stosow 3 no.3:293-319 '59.

1. Zaklad Insynierii Chemicznej i Konstrukcji ...tury, Polska Akademia Nauk, Gliwice.

Investigation of equipment for irrigating vertical tubes. Chemia stosow 3 no.4:425-556 59. (REAI 9:6)

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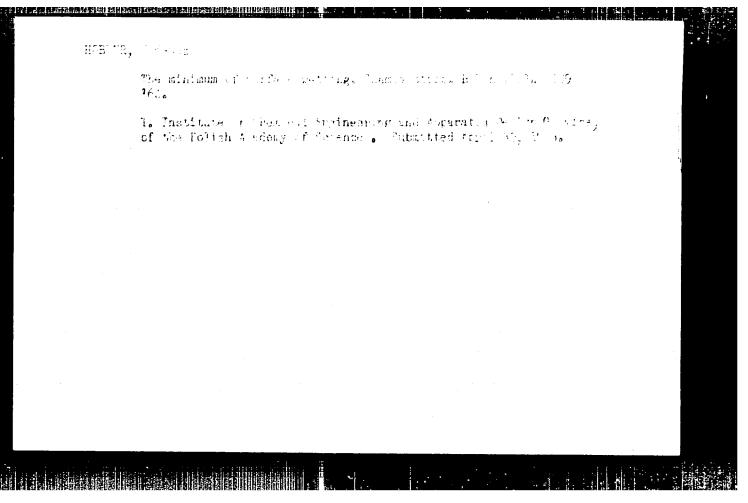
1. Zaklad Inzynierii Chemicznej i Konstrukcji Aparatury Polskiej Akademii Mauk w Gliwicach. (Irrigation) (Water)



Mixing effectiveness of liquids. Chemia stosow 4 no.3/4:307-324
'60. (EEAI 10:9)

1. Zaklad Inzynierii Chemicsnej i Konstrukcji Aparatury PAN Katedra Inzynierii Chemicsnej Politechniki Sacsecinskiej.

(Liquids)

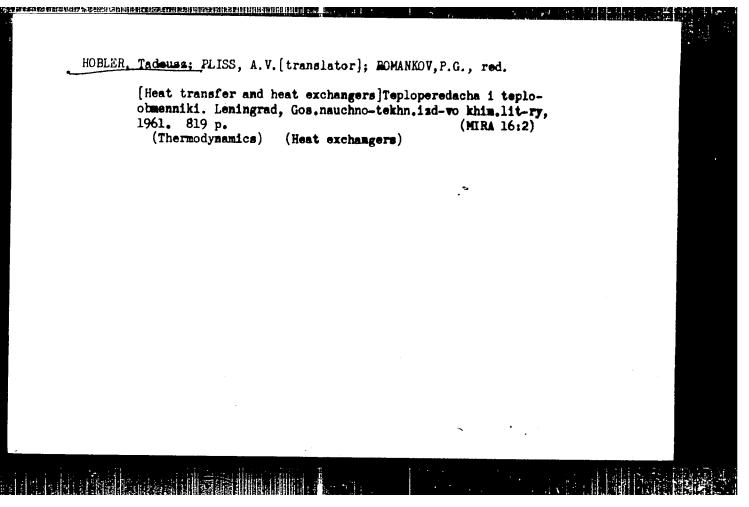


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1. Institute of Cromical Engineers for a top some to im, Clivice of the Polish Scadery of Sciences. Submitted January 8, 1964.



\$/081/62/000/005/043/112 B151/B101

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.. UTHORS:

The state of the second second

Hobler, Tadeusz, Strek, Fryderyk

TITLE:

The degree of mixing of liquids for Reynolds numbers between

160 - 6900

FERIODICAL: Referativnyy churnal. Khimiya, no. 5, 1962, 341, abstract

5145 (Chem. stosow., v. 5, no. 2, 1961, 127-151)

TEXT: A study is made of the dependence of the degree E of mixing of liquids on the time of mixing, the speed of the stirrer and the relationship between the amounts of the liquids. The experiments are carried out in a vessel holding 20 ml and of diameter 300 mm; the height of the liquid layer in the vessel is 330 mm; the liquid is mixed with a turbine 6-blade mixer with a turbine diameter of 100mm. An expression is given: $E = 1-\exp\left[-k_1k_2k_3Re^AFo\right]$, where $Re = nd^2r/n$; n = rate ofstirrer, rpm; d = diameter of turbine; $\gamma = specific$ gravity and

= kinematic viscosity of the liquid; Fo = Fourier number; k1, k2, k3 and A = variables depending on the value of Re. Expressions are given Card 1/2

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The degree of mixing of liquids for ... B151/B101

for the calculation of these variables. Previous communication see RZhKhim., 1960, no. o, 22610; 1961, 24163. [Abstracter's note: Complete translations/

HOBLER, Tadousz; LU_SIN_ZU

The state of the s

Investigations on external irrigating equipment for vertical tubes. Chemia stosow 5 no.2:153-168 '61.

1. Zaklad Insynierii Chemicznej i Konstrukcji Aparatury, Polska Akademia Nauk i Katedra Inzynierii i Konstrukcji Aparatury Chemicznej, Politechnika Slaska, Gliwice.

P/002/61/000/003/001/001 D001/D101

AUTHOR:

Hobler, Tadeusz, Corresponding Member of the Polish

Academy of Sciences

TITLE:

Two years of the Chemical Engineering and Equipment Designing

Section of PAS

9 Nauka Polska, no. 3, 1961, 135-139 PERIODICAL:

TEXT: About half of the narrative is concerned with a world history of chemical engineering, particularly illustrated with data on West German chemical engineering. The rest is a brief sketch of personnel, research subjects, and monograph publication programs of the above-mentioned Section. The demand for expert chemical engineers will grow in view of planned expansion in the Polish chemical industry and growing production of chemical apparatus which is expected to reach a total of about 100,000 tons annually in a few years. In order to cope with the increasing scope of chemical engineering problems which extend beyond the capability of scattered research posts, the Zakład Inzynierii Chemicznoj i Konstrukcji Aparatury (Section of Chemical Engi-

Card 1/3

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Two years of the ...

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neering and Equipment Design) was established in 1958 at the IVth Department of the Polish Academy of Sciences. The address of the Section is: Gliwice. Strzody 21. Within a year since the Section's founding, three research laboratories were established at the following locations: Gliwice, under Doctor of Engineering and head of the whole Section, Professor Tadeusz Hobler, Warsaw, under Doctor of Engineering J. Ciborowski; Wrockaw, under Master of Engineering Z. Ziołkowski. Two more laboratories were established in 1960. in Łódź under Docent, Master of Engineering M. Serwiński and in Szczecin under Professor, Master of Engineering T. Rosner. The Section employs a salaried staff of three scientific workers and four assistant scientific workers, and a free lance staff of two scientific, 28 assistant scientific and 14 assistant technical workers. The number of topics handled was 27 during the first year and 37 during the second. Each laboratory concentrates on affiliated problems and thus specializes in a peculiar field of interest. Reports on 10 research tasks accomplished in 1959 and 14 accomplished in 1960 either have appeared or will appear in print in the PAS quarterly "Chemia

Card 2/3

CONTRACTOR OF THE PROPERTY OF

Two years of the ...

P/002/61/000/003/001/001 D001/D101

Stosowana (Applied Chemistry). The article further contains a breakdown by subject of the 27 and 37 research topics handled by the Section in 1958/1959 and 1959/1960, respectively. There are two tables.

ASSOCIATION: Polska Akademia Nauk (Polish Academy of Sciences)

PRESENTED: April 1961

Card 3/3

HOBLER, Tadeusz; CZAJKA, Jozefa

ydraulics of sieve and turbogrid trays. Chemia stosow 5 no.4:449-474 '61.

1. Zaklad Inzyniwrii Chemicznej i Konstrukcji Aparatury, Polska Akademia Nauk, Gliwice.

HOBLER, Tadeusz

CONTRACTOR OF THE PARTY OF THE

Efficiency of the charge surface of absorption columns. Magy kem lap 16 no.11:496-502 N .61.

1. Szileziai Muegyetem, Gliwice.

HOBLER, Todeusz

Unification of equations for the mass penetrating coefficient during the liquid phase of pack moistening. Frzem chem 40 no.7:396-398 Jl *61.

1. Politechnika Slaska, Gliwice.

HOBLER, Tadeusz, prof. dr inz.; MACHEJ, Karol, dr inz.

Research on the naturation of air with steam in a scrubber during continuous and pulsating water supply. Chemia stosow 6 no.1:3-43

1. Zaklad Inzymierii Chemicznej i Konstrukcji Aparatury, Polska Akademia Nauk, Warszawa.

HOBLER, Tadeusz

Method of stabilizing the mass penetration coefficient in cases of major changes of the flow intensity. Przem chem 41 no.10:590-591 0 62.

1. Zaklad Inzymierii Chemicznej i Konstrukcji Aparatury, Polska Akademia Nauk, Gliwice.

HOBIER, Tadeusz

Mass transfer coefficient Ba for the gaseous stage in the light of diffusion analogy of rate, heat, and mass. Chemia stosow 7 no. 2:167-179 '63.

 Zaklad Inzynierii Chemicznej i Konstrukcji Aparatury, Polska Akademia Nauk, Gliwice.

HOBLER, Tadeusz; FRONSKI, Andrzej

TO THE RESIDENCE OF THE PROPERTY OF THE PROPER

Analysis of the application of circulation in heat exchangers. Chemia stosow 7 no. 2:181-207 *63.

 Zaklad Inzynierii Chemicznej i Konstrukcji Aparatury, Polska Akademia Nauk, Warszawa.

HOBER, Taleuss

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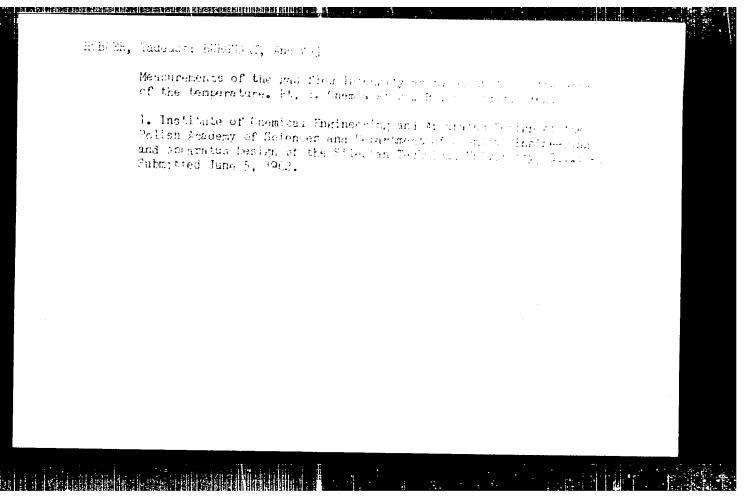
Method of approximate computing mass exchangers for multicomponent absorption processes occurring in the presence of inert components. Chemia stosow 7 no.4:473-488 163.

l. Zakład Inzymierii Chemicznej i Konstrukcji Aparatury, Polska Akademia Nauk i Katedra Inzymierii Chemicznej i Konstrukcji Aparatury, Politechnika Slaska, Gliwice.

HOPLIA, Delense; EURUHARDT, Andree:

Medification of the McCabe-Thiele method for nonequimolar rectification processes. Chemia stosov 7 no.4:489-508 '63.

1. Zaklad Inzynieril Chemicznej i Konstrukcji Aparatury, Polska Akademia Nauk i Katedra Inzynieril i Konstrukcji Aparatury Chemicznej, Politechnika, Slaska, Glivice.



HOBLER, Tadousz; JEMNOEK, Jerzy; LIPOMSKA, Lumphede

。 《中国大学中学校》第25年,《中国》(1915年) 第26年 第16年 美国中国发展中国国

Effect of alternate squeezing of the inner tube on the coefficient of the heat transfer from the inner tube to the gas flowing through the annular space. Chemia stosow B 1 no.2:181-207 464.

1. Institute of Chemical Engineering and Apparatus Design, Cliwice, of the Polish Academy of Sciences. Submitted June 20, 1963.

HUBBER, Tades : z: BURGHARDT, Androej

Measurements of the gas flow intensity as based on the tempertare difference. Pt. 2. Chemia stosow B 1 nc.3:287-330 164.

1. Institute of Chemical Engineering and Apparatus Design. Gl. wice, of the Polish Academy of Sciences, and Department of Chemical Engineering and Apparatus Design of the Silesian Technical University, Gliwice. Submitted June 5, 1962.

HOBLER, T., dr., prof.; KRUPICZKA, R.; CZAHKA, J.

Hydraulics of turbogrid and sieve trays. Famy kem lap 10

no. 2:89-92 F '64.

1. Lengyel Tudomanyos Akademia Muszaki Kemiai es Keszulekszerkesztesi Kutato Kozpontja.

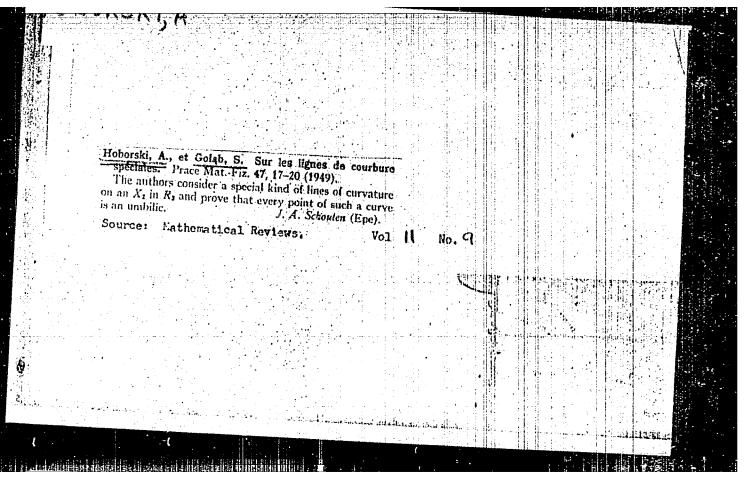
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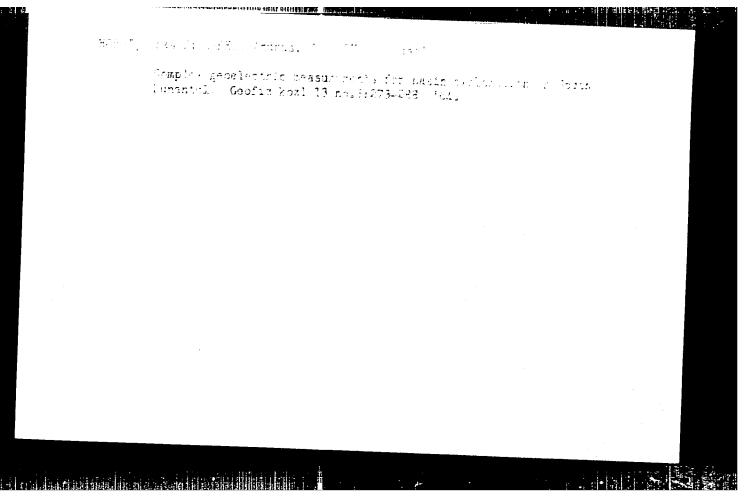
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Interesting and attractive themes. Constr Buc 16 no.737:4

1. Presedintele comitetului sindicatului grupului de santiere nr. 3-instalatii al T.C.E.H.- Constanta.

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4430., L.

Construction of lateral conals in the clayslate or as in Slovekia. p. 13.

Vol. 4, No. 1, Jan. 1954 VODNI HOSPODARSTVI Praha, Czechoslovekia

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Source: East European Accession List. Library of Compuss Vol. 5, No. 3, August 1956

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000618030010-2"

H. ..., L.

Importance of research to the water economy. p. 73.

Vol. 4, no. 3, lar. 1954 VCDNI EOSPODARSTVI Praha, Gzechoslovakie

Source: East Muropean Accession List. Library of Congress Vol. 5, No. 8, August 1956

HCEST, I.

HCEST, I. Fevelopment of the construction of hydrauli. projects in Gzechoslovakia. p. 253.

Vol. 4, No. 6, June 1954. ZA SCCIALISTICKCU VEIU A TECHLIKU TECHLICLOY Praha, Czechoslovakia

So: East Europeon Accessions, Vol. 5, ic. 5, (ay 1956

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HOEST, L.

Production, anchoring, and stressing of large prestressing units. p. 452.

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INZENYRSKE STAVBY. Fraha, Czechoslovakia. Vol. 3, no. 11, Nov. 1955.

Fonthly list of East European Accessions (EPAI) LC, Vol. 9, no. 2, Feb. 1960 Uncl.

HOBST, L.

Anchorage and the mechanics of dam construction.

p. 20 Vol. 5, no. 1/2, Far. 1955 VODNI HOSPODARSTVI Praha

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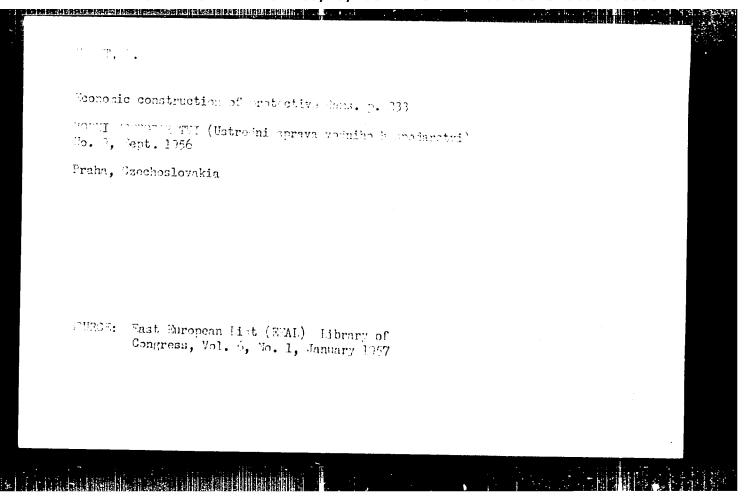
Monthly List of East European Accessions (EEAL), LC, Vol. 5, no. 3

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FOEST, L. Anchorage of building structures in the sole of the foundation.

Vol. 4, No. 9, Sept. 1956.
INZENTRSKE STAVEY.
TECHNOLOTY
Praha, Czechoslovakia,

So: East European Accession, Vol. 6, No. 3, March 1957



HOBST, L.

HOBST, L. The use of big prestressing units in constructing the sealing membrane of the dam near Zermanice. p. 57.

Vol. 5, No. 2, Feb. 1957 INZENYRSKE STAVBY TECHNOLOGY Czechoslovakia

The Country of the State of the

So: East European Accession, Vol. 6, No. 5, May 1957

書 118 58 1 1 1

AUTHOR:

Khobst, L.E., Doctor of Technical Science. (The Czechoslovak Republic)

TITLE:

Sealing of Temperature-Deformation Seams in Hydro-Technical Installations by Means of Rubber Cross Joints (Uplotneniye temperaturno-deformatsionnykh shvov gidrotekhnicheskikh sooruzheniy pri pomoshchi rezinovykh shponok)

98-58-3-4/22

PERIODICAL:

Gidrotekhnicheskoye Stroitel'stvo, 1958, Nr 3, pp 18-21 (USSR)

ABSTRACT:

Rubber or plastic cross joints for the purpose of sealing temperature-deformation seams in hydrotechnical installations are being more frequently used. The work of inserting these rubber cross joints is comparatively easy. Moreover, their effectiveness, durability, and low cost are such that they are preferred in many countries to any other kind of joints. These rubber joints have the capacity of following any deformation taking place between two concrete blocks at the point of seam, which thus stays waterproof by virtue of the rubber cross joint stretching accordingly. A typical cross joint made of profile rubber has a width of 200 mm which, is the standard size for installations which are not subjected to high water pressure. Figure 1 shows the dimensions of such a joint and the shoulders (ribs), of which the center one bears against the seam. Rubber cross joints for high pressure installations

Card 1/3

98-58-5-4/22

bealing of Temperature-Deformation Seams in Hydro-Technical Installations by Means of Rubber Cross Joints

are of a similar profile, only 40-60 cm wide. The joint is securely embedded inside the concrete so that even in case the seam opens, it still holds and only gives within the seam. To tear the rubber off the concrete, a pull of 1.9 kg per cm is required. The physico-mechanical properties of the rubber as used in the CSR for this purpose, are as follows:

Tensile strength $kg/cm^2 = 170+10$

Elongation at breaking point = $840 \pm 40\%$

Shore hardness

= 37+3

Specific weight g/cm3

= 0.99 + 0.01

The life of rubber joints is comparable to the life of rubber sealing rings of the same material, which have been in use in a water main in the CSR for a period of 48 years. Provided the rubber joint is not exposed to the action of ultra-violet rays; ozone or mineral oil, its durability is fully safeguarded. Figures 2,3 and 4 show different ways of putting the rubber joint in place, depending upon the method used for pouring concrete

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98-58-5-4/22

Sealing of Temperature-Deformation Seams in Hydro-Technical Installations

and the kind of forms used. Figures 5 and 6 show various kinds of deformation taking place in seams between concrete blocks, and the way the rubber cross joints adjust themselves to same. There are 7 figures and 6 references, 1 of which is Soviet, 1 German, 1 English, and 3 Czechoslovakian.

Card 3/3

1. Rubber-Applications 2. Expansion joints-Design 3. Expansion joints-Concrete structures

HOBST, L.

र राज्यास्य द्वारात्राक्षात्राक्षात्राक्षात्राहरूकारा स्थापत्रात्राहरूकार्यात्राहरूकार्यात्राहरूका

"Prefabricated slabs in hydraulic engineering" p.183 "Construction of field drainage." p.186

VODNI HOSPODARETVL (Ustredni sprava vodniko hospodarstvi) Praha, Czechoslovakia, no. 4, April, 1959

Monthly List of East European Accessions (SEAI) LC, Vol. 8, No. 6, June 1959 Uncl.

HOBST, Leos, inc. dr.

Evaluation of the construction of the three-layer realing shield of

an earth dam. Inz stavby 12 no.12:550-555 D '64.

1. Research Institute of Engineering Construction, Bratislava, Worksite Brno.

HOPST, I.

Anchoring of structures into loose ground. r. 296.

STAVEA. (Poverenictvo stavebnictva) Pratisleva, Czechoslovakia. Vol. 6, no. 10, Oct. 1959.

Monthly List of East European Accessions (EFAI) LC, Vol. 8, no. 12, Dec. 1959. UNCL

HOBST, L., inz., dr.; LISKA, P.; ZAIMAN, Z., inz.

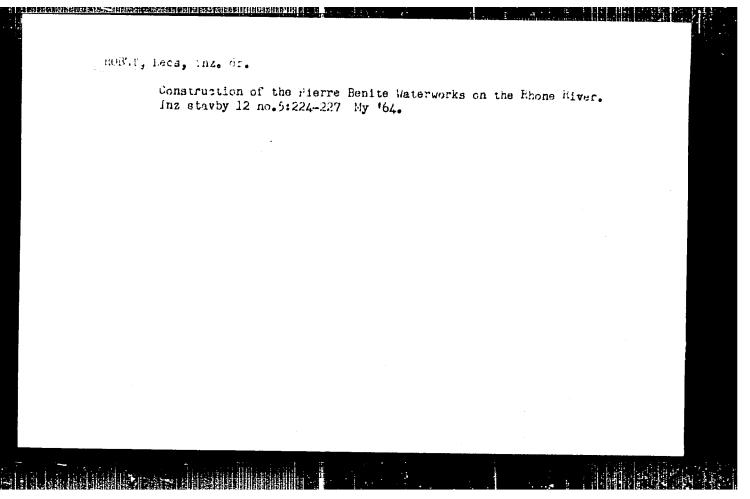
Assembled prestressed water-tank with 400 m³ capacity. Vodni hosp 13 no 2:75-78 '63.

1. Vyzkumny ustav stavebnictvi, Brno.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000618030010-2"

** From the time. Live of Francisch, one. Called Chyses of Experience in the experimental building of a pretancipated prestressed water reservoir. Inz stevby 16 no.1.22.07 (a) 64.

1. Vyskumny ustav inzinterskych stavieb Brautsalva, pracoviste Brao.



APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000618030010-2"

BOPOVICEA L., inc.: celler, J.; HORST. L., inc. ce.; M. wichi, V., onc.;
PISHY, T., inc.; Schler, J., inc.; Schler, J., inc.

Concept of the tecnnical development of configuration constructions.

Inz shavby 12 no. 21 Suppl: Mechanicace no. 12:52.-527 Tex.

Hobst, O.

Ways of management of our factory. p. 354. INZENYRSKF STAVBY. (Ministerstvo stavebnictvi) Fraha. Vol. 4, no. 15, Aug. 1954.

Source: EEAL LC Vol. 5, No. 10 Oct. 1956

HOIDL, C.

Competition in the Central Administration of Water Panagement. p. 129.

Vol. 35, no. 5, May 1956 VODA Proha, Czechoslo akia

Source: Ast European Accession List. Library of Congrece Vol. 5, No. 8, August 1956

HORST, O.

Conference on the reduction of construction costs in hydroelectric plants. p.113. (Vodni Hospodarstvi, No. 5, May 1957, Praha, Czechoslovakia)

SO: Monthly List of East Eruopean Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

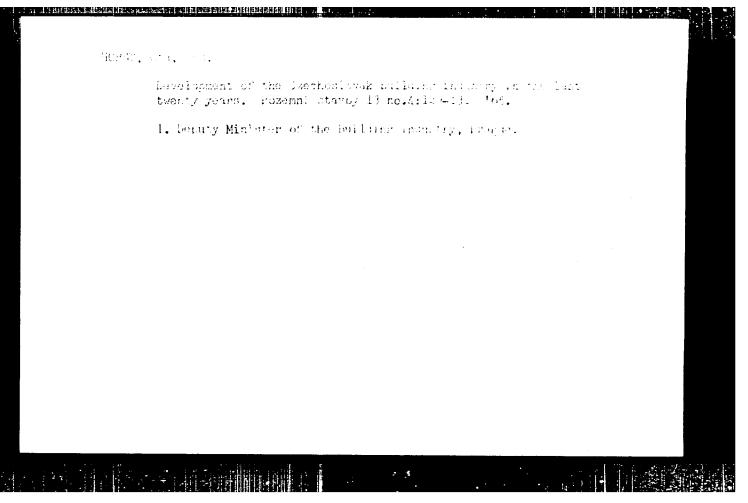
HOPST, O.

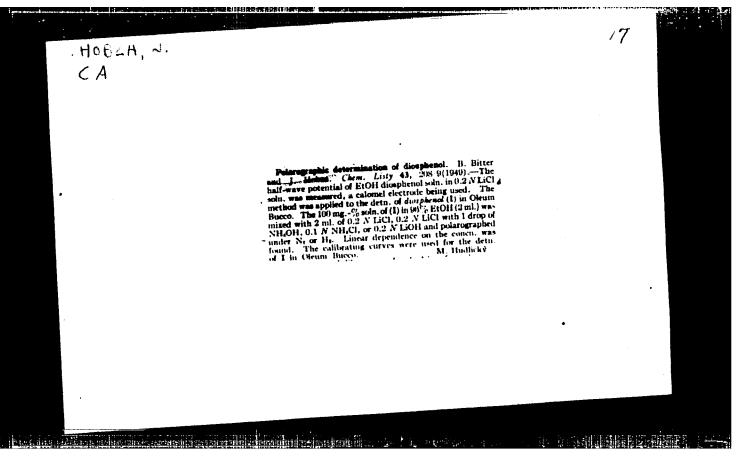
"Efficiency of hydraulic engineering investments."

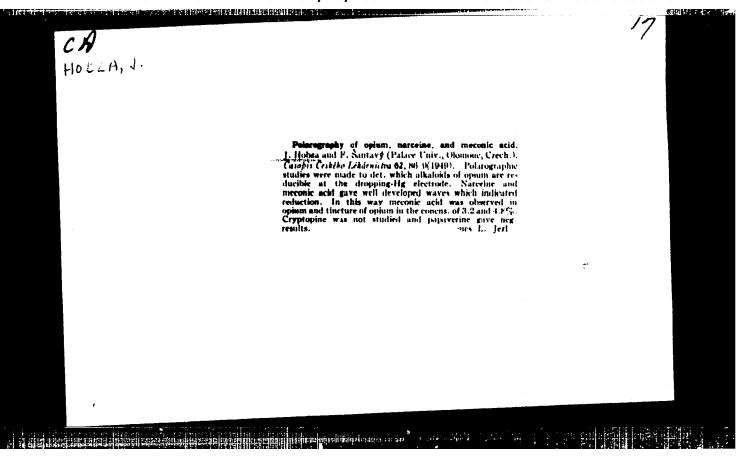
p. 309 (Vodni Hospodarstvi) No. 12, Dec. 1057 Prague, Czechoslovakia

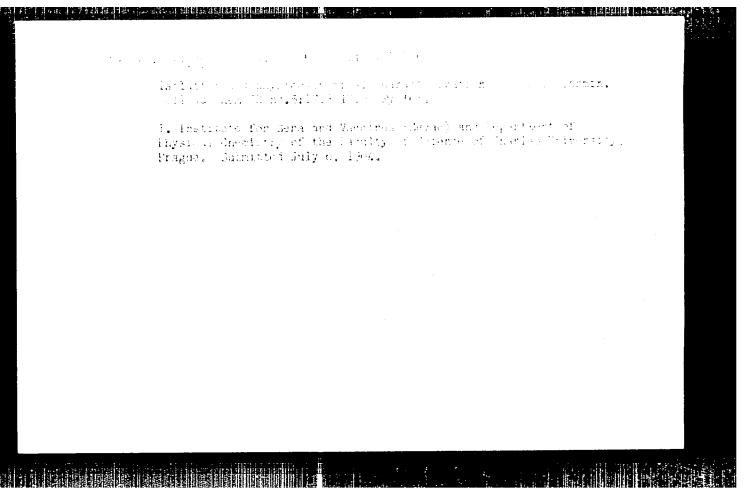
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50: Monthly index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958









SEGALL, M., doktor; KHORVAT, L. [Horvat, L.], doktor; KHOCHOTA, D. [Hoceota, D.], doktor Importance of audiometric examination in tumors of the cerebellopontile angle; neurinoma of the acoustic nerve. Vest.otorin. 20 no.2:69-74 Mr-Ap '58. (HIRA 12:11) 1. Iz otlaringologicheskogo otdeleniya bol'nitsy No.12 i neyrokhirurgicheskoy kliniki. Bukharest. (NERVES, ACOUSTIC, neoplasms neurilemoma, diag. value of audiometry (Rus)) (HEARING TESTS audiometry, diag. value in acoustic nervs neurilemoma (Rus)) (NEURILEMMOMA, diag. ear, value of audiometry (Rus))

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HOCEVAR, Andrej

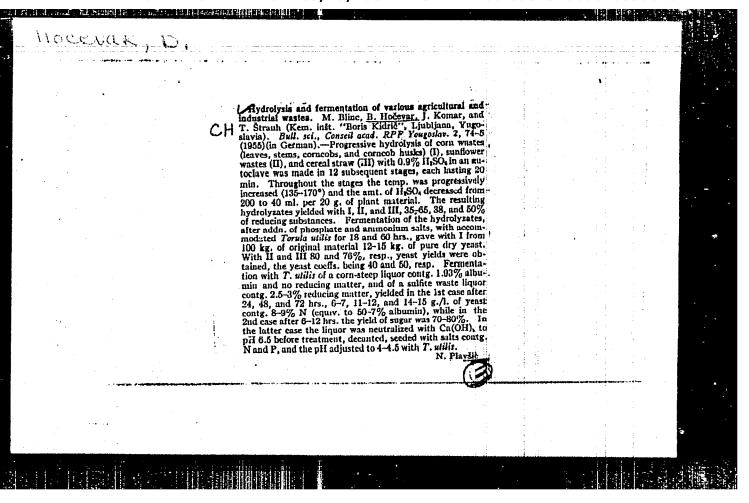
Comparison of temperatures in the bare and the vegetation covered soils. Razprave meteorologa Ljubljana 3:25.45 *62

1. Clan Uredniskega odbora, "Razprave. Papers."

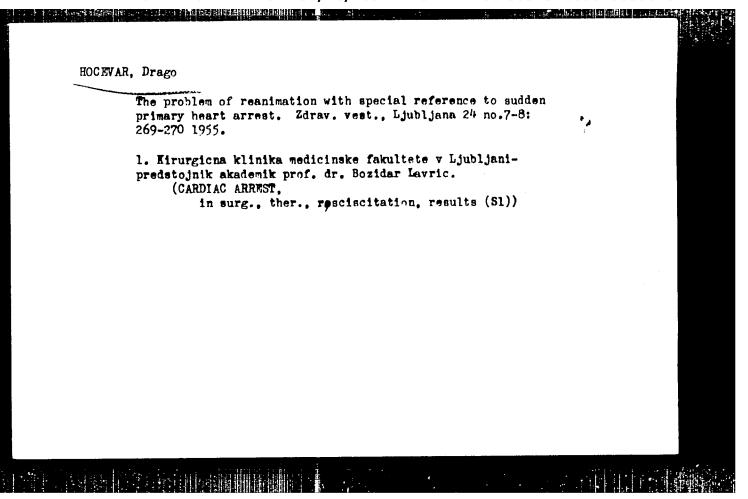
HOCEVAR, Andrej

Types of local weather in Slovenia during the winter. Razprave meteorolga Ljubljana 4: 1-19 '64.

1. Member of the Board of Editors, "Razprave. Papers".

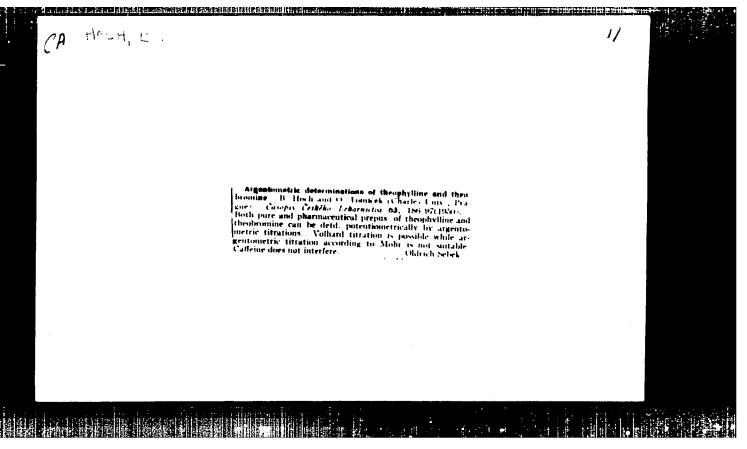


APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000618030010-2"



TOPE STEELS MINISTERNAL STEELS

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HOCEVAR, D.
              Problem of hypotension. Acta chir. iugosl. 3 no.1:1-22
              1956.
              1. Kirureka klinika Medicinekog fakulteta u Ljubljani (preds.
              akad. prof. dr. Bosidar Lavric).
                     (HYPOTENSION,
                         controlled, with trimethaphan, comparison with pendiomide & menthonium cpds. (Ser))
                     (SYMPATHOLYTICS, ther. use,
                         trimethaphan-induced controlled hypotension,
                         comparison with pendiomide & menthonium cpds. (Ser))
                      (AUTONOMIC DRUGS, ther. use,
                         pendiomide-induced hypotension, comparison with
                         methonium cpds. & trimethaphan. (Ser))
                      (MUSCLE RELAXANTS, ther. use,
                          methonium cpds.-induced controlled hypotension,
                          comparison with pendiomide & trimethaphan. (Ser))
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RYSANEK, K.; HOCH, B.; KORDOVA, V.

Effect of guaiacocuran on potassium metabolism in human erythrocytes. Cas.lek.cesk 99 no.49:1545-1546 2 D *60.

1. Interni katedra UDL, oddeleni experimentalni terapie, VUVL Praha-Krc a Vyzkumny ustav farmacie a biochemie, Praha.

(POTASSIUM blood) (ERYTHROCYTES chem)

CONTRACTOR OF THE PROPERTY OF

JILEK, J. C., Perbandha, J., Charbh. M., SMirra. A. V., RADSON, D., FALL, K., HOCH, B., PROTIVA, M.

Neurotropic and psychotropic substances. Pt.2. Coll Cz Chem 30 no.2:445-462 F 165.

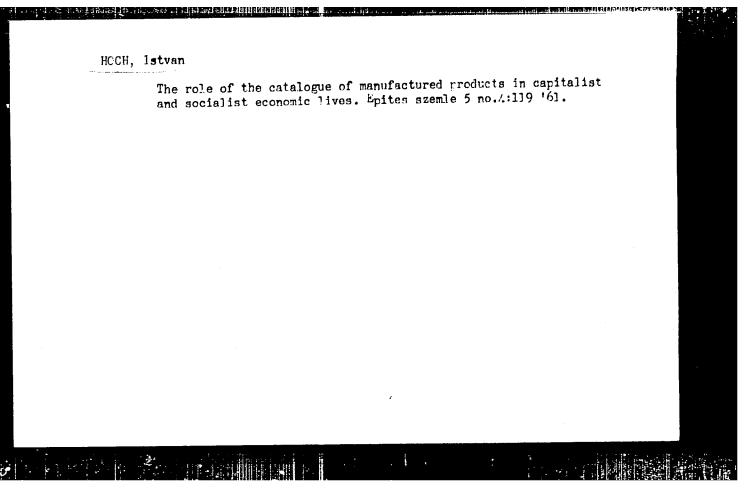
1. Forschungsinstitut für Pharmazie und Biochemie, Pragus. Submitted May 4, 1964.

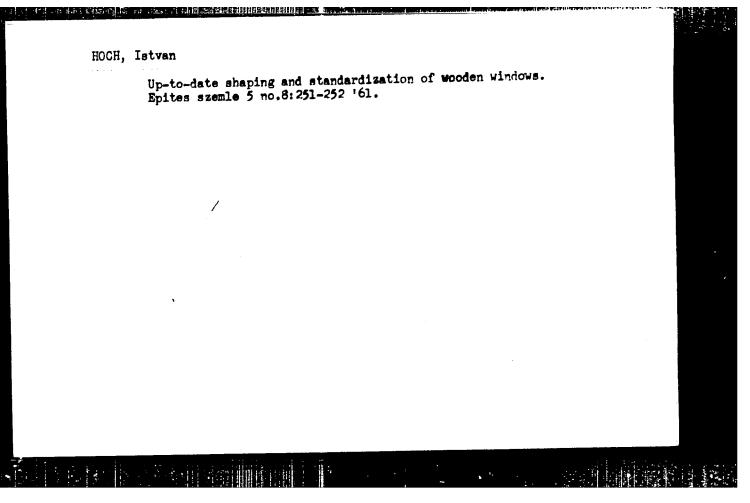
SKARDA, Rudolf, MVDr.; HOCH, Frantisek, promovany veterinarni lekar

CISBINHOOM BEACHAIN BUILDING BEEN SOUTH BEACH IN THE STATE OF THE

Essay on the morphological standardization of mycotic affections. Veterinarni medicina 6 no.12:927-930 *61.

1. Katedra pro patologickou morfologii a fyziologii, Veterinarni fakulta, Vysoka skola semedelska, Brno.





and the state of t

HOCH, L.; VANA, L.

Economical condensation of excess steam in high-pressure boilers. p. 298.

ENERGETIKA. Praha, Czechoslovakia, Vol. 9, no. 6, June 1959.

Monthly list of East European Accessions, (EEAI) LC, Vol. 8, No. 10 Oct. 1959 Uncl.

Z/032/63/013/002/001/004 E073/E335

AUTHORS:

Hoch, P. and Burda, P., Engineers

TTTLE

Erosion and corrosion wear of materials in powergeneration equipment

PERIODICAL: Strojirenstvi, v. 13, no. 2, 1963, 121 - 129

TEXT: The aim was to verify experimentally the importance of the chemical action on the rate of loss of material during simultaneous erosion and corrosion at elevated temperatures so as to obtain practical data on these effects on materials being used for gas turbines in nuclear power-generation equipment. Test apparatus was designed which made possible: continuous variation in the velocity of the tested specimens, up to a maximum of 81 m/s (with an accuracy of + 2 m/s); continuous dosing of the abrasive (ash 70 g/h, fused corundum 200 g/h, 20 - 750 °C) between 0 and 750 g/h with a dosing accuracy of + 10 g/litre; continuous temperature regulation up to 800 °C with an accuracy of + 5 °C; feeding of various corrosive media in any concentrations and ratios with a dosing accuracy of + 20 ml./h. Ten different high-temperature steels and alloys were tested. For the investigated speeds Card 1/3

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of up to 80 m/s erosion of constructional steels and alloys between 20 and 750 °C was governed by chemical corrosion and influenced by the inclination of the area of the metal being eroded to react with the corrosive medium (gas mixture containing argon, carbon dioxide, air and a mixture of air with 5% sulphuric acid) and by the rate of removal of the layer containing corrosion products; the corrosion loss in constructional steels and alloys in nonaggressive media did not depend on the temperature under the given test conditions. Erosion tests on Mg-Al-Be alloys showed that an optimum Be content existed (0.0035%); a further increase in the Be content did not influence the resistance of the alloy to aggressive media. The Be content did not affect the resistance-tocorrosion of non-aggressive media. The dependence of the erosion ... of mild steel on the incidence angle of the abrasive had a sinusoidal curve with maxima at 45 and 135° of arc. The most favourable material proved to be the Soviet-produced VL 7 (0.18% C. 0.25% Mn, 0.74% Si, 18.94% Cr, 45.5% Ni, 26.5% Fe, 0.022 P, 0.015% S, 7.33% W, 0.05% B). The next best material was the recently developed Czech austenitic alloy VZU 60 (0.04% C, 0.10% Mm, 0.51% Si, 18.59% Cr, 61.5% Ni, 12.45% Fe, 1.14% Ti, 0.38% Al, Card 2/3

Erosion and corrosion

Z/032/63/013/002/001/004 E073/E335

p.004% P, 0.002% S, 2.31 Mo and 2.9% W). The anti-corrosion pustenitic steel CSN 17341 does not withstand simultaneous erosion and corrosion. The use of facing alloys is advantageous under normal temperatures, particularly for low velocities and for components for which such alloys will not impede their functional properties. Tested refractory enamels do not have a satisfactory resistance to erosion. There are 22 figures and 3 tables.

ASSOCIATION:

SVÚOM, Prague

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CIHAL, Vladimir; HOCH, Petr

A SECOND PROPERTY OF THE PROPE

"Steel and alloy corrosion in a gas medium at hi h temperatures" by [CSc.] Pavel Grobner. Reviewed by Vladimir Cihal, Petr Heeh. Hut listy 19 no.10:759 0 '64.

1. G.V. Acimov State Institute of Material Protection, Prague.

Microbiology

HUNGARY

HOCH, Robert (Mrs), Dr. NIKODEMUSZ, Istvan, Dr. candidate of medical sciences (National Institute of Food and Nutrition (director: TARJAN, Robert, Dr., professor) (Orszagos Elelmezes es Taplalkozastudomanyi Intezet), Budapest.

"Studies Involving the Testing of Food Stuffs for Pathogenic Intestinal

Budapest, Honvedorvos, Vol XVIII, No 4, Oct-Dec 66, pages 283-287.

Abstract: [Authors' Hungarian summary] Numerous random food samples were tested for their content of pathogenic enterobacteria by means of culture on Klimmer, DC and EM media as well as by concentration. From the data obtained so-far, it may be concluded that less than 0.2 per cent of the food stuffs may be contaminated with Shigellae and about 1 per cent of them may contain Salmonellae. Pathogenic coli strains, however, could often be found in the food samples. This problem requires further investigation. When present in large numbers, the Klimmer and FM culture media gave similar counts for E. coli and coliform bacteria; in spite of this, the two methods can not be used interchangeably. 11 Eastern European, 6 Western references.

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HCCH, Roberthe, ir.

Bacteriologic examination of bank notes and coins is circulation.
Eleka spar 19 no 4:115-117 Ap *65.

e-prefigures in selection of the first in section in the first first first in the f COUNTRY : PCLAND CATEGORY : Chemical Technology. Chemical Products and Their Annlications. Cellulose and Its * ABS. JOUR.: AZKhim., 40. 23 1959, 30.84362 AUTHOR : Hochmer, E. INST. TITLE : Veretable Gums and Their Analication in the Manufacture of Paner. ORIG. PUB. : Przeml. maniern., 1959, 15, No. 3, 74-77 : Review of literature for the cast 10 years. ABSTRACT The hibliography includes 19 references. -- Ye. Gurrich. *Derivatives. Paver. CARD: 1/1

Review of recent methods of testing printing paper. Triew:
paper 20 no.10(19-323 C '64.)

1. Pulp and Paper Institute, Todz.

HOCHAUZ, Elzbieta, mgr.inz.

ter being to be the substitution of the form

Attempts to evaluate the suitability of papers for letterpress with the use of the I.G.T. apparatus. Przegl papier 18 no.3: 69-73 Mr 162.

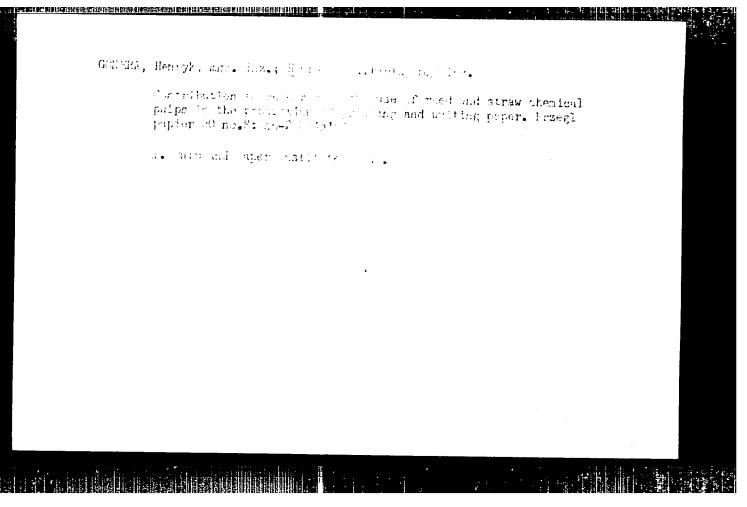
1. Instytut Celulozowo-Papierniczy, Lodz.

HOCHAUZ, Elzbieta, mgr inz.

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Effect of the paper properties on the qulaity of integlio printing. Przegl papier 18 no.9:278-281 S 162.

1. Instytut Celulozowo-Papierniczy, Lodz.



NI DISEAS DE LA SERVEST DANS ESTADO HAMBET RECENTARIO. KOSSOWSKI, Stanislaw; BEKIERKUNST, Adam; AGOPSOWICZ, Grzegorz; JEDRZEJEWSKA, Alicja; HOCHBERGER, Barbara Dihydrostreptomycin and dihydrostreptomycin-penicillin therapy of ozena. Arch. immun. ter. dosw. 3:239-247 1955. 1. Instytut Immunologii i Terapii Doswiadczalnej PAN we Wroclawiu (Dyrektor: prof. dr. L. Hirezfeld) Dzial Bakteriologii i Antybiotykow (Kierownik: doc. dr. A. Bekierkunst) Klinika Otolaryngologiczna Akademii Medycznej we Wroclawiu (Kierownik: prof. dr. W. Jankowski). (RHINITIS, ATROPHIC, therapy, dihydrostreptomycin alone & with penicillin (Pol)) (DIHYDROSTREPTOMYCIN, therapeutic use, rhinits, atrophic, alone & with penicillin (Pol)) (PENICILLIN, therapeutic use. rhinitis, atrophic, with dihydrostreptomycin (Pol))

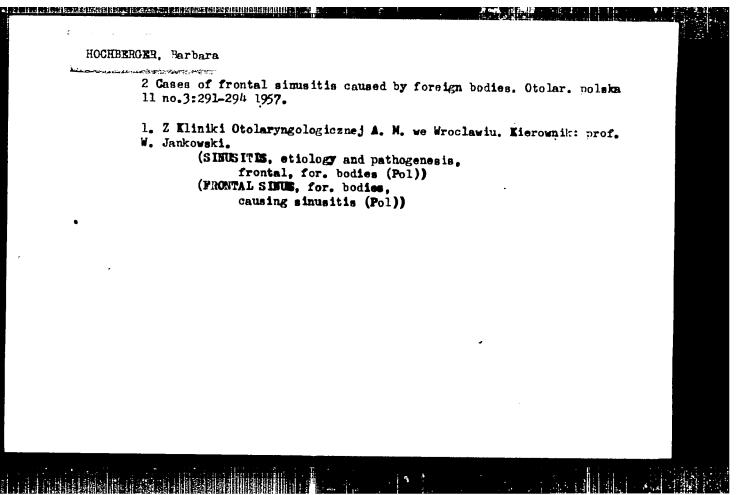
KOSSOWSKI, Stanislaw; AGAPSOWICZ, G.; HOCHBERGER, B.

Antibiotic therapy of ozena; case reports and review of foreign literature. Otolar. polska 10 No.1:45-49 1956.

1. Z Kliniki Otolaryngologicznej A.M. we Wroclawiu Kierownik: prof. dr. W. Jankowski.

(RHINITIS, ATROPHIC, therapy, antibiotics (Pol))

(ANTIBIOTICS, therapeuticuse, rhinitis, atrophic (Pol))



HOCHEL, L.

Rise of 80-100 per cent in the efficiency of elevators. p. 493
TECHNICKA PRACA. Bratislava, Czechoslovakia. Vol. 7, No. 11, Nov. 1955

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No. 9, September 1959 Uncl.

HOCHEL, 7.
"Impressions From the Highlands of Muran."
p. 10h (Krasy Slovenska, Vol. 3h, No. 3, Mar. 1957, Bratislava, Czechoslovakia)
GEOGRAPHY & GEOLOGY Periodicals

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 11,
Nov. 1958

HUNGARY

FERENCZ, Bela, Dr., HOCHENBURGER, Emil, Jr., Dr; Gyor-Sopron Megye Hospital, Radiology (chief physician: HALMI, Jozsef, Dr) and Otolaryngological Ward (chief physician: CSILLAGH, Sandor, Dr) (Gyor-Sopron Megyei Korhaz, Rontzen-osztaly es Ful-Orr-Gegeosztaly).

"The Importance of Occipitomental Radiography of the Erect Patient in the Diagnosis of Inflammatory Processes of the Paranasal Sinuses."

Budapest, Orvosi Hetilap, Vol 107. No 37, 11 Sep 66, pages 1753-1754.

Abstract: [Authors' Hungarian summary] The technique of occipitomental radiography of the paranasal sinuses, taken on the seated patient, is described. Its advantages to the pictures taken on the supine patient are pointed out as follows. 1) Following chest X-ray, radiograms of the sinuses can be taken rapidly. 2) The sharpness of the pictures is increased by the Lysholm grid. 3) The position of the head can easily be fixed. 4) The focus-film distance is a given constant. 5) Patients with dyspnea can tolerate a seated position better. 6) The fluid present in the sinuses appears as a meniscus. 7) The form of the thickened, polypous mucosa is more clearly visualized. In conclusion, the introduction of a routine of X-ray pictures taken in a horizontal ray-direction on the erect patient is recommended especially at ambulant services with many patients. 4 Hungarian, 8 Western references.

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